

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DKT. NO. NEOGEN 1WO P2 C2	SERIAL NO. 09/885,973
	APPLICANT KRIS ET AL.	
	FILING DATE June 22, 2001	GROUP Unassigned



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
ad	AA 5,545,531	08/13/96	Rava et al.			06/07/95
	AB 5,547,839	08/20/96	Dower et al.			12/06/90
	AC 5,324,633	06/28/94	Fodor et al.			11/22/91
	AD 5,510,270	04/23/96	Fodor et al.			09/30/92
	AE 5,143,854	09/01/92	Pirrung et al.			03/07/90
	AF 5,482,867	01/09/96	Barrett et al.			04/23/93
	AG 5,661,028	08/26/97	Foote			09/29/95
	AH 5,770,370	06/23/98	Kumar			06/14/96
	AI 5,605,798	02/25/97	Köster			03/17/95
ad	AI(1) 5,744,305	04/28/98	Fodor et al.			06/06/95

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
ad	AJ 97/07245	02/27/97	PCT			x	
	AK 89/11548	11/30/89	PCT			x	
	AL 97/05277	02/13/97	PCT				x
ad	AP 97/10365	03/20/97	PCT			x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

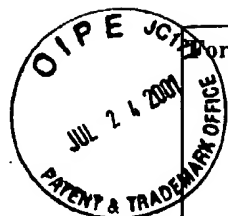
ad	AQ	Alper, "Weighing DNA for Fast Genetic Diagnosis", <i>Science</i> , Vol. 279, 27 March 1998, pp. 2044-2045.
	AR	Anderson et al., "Polynucleotide Arrays for Genetic Sequence Analysis", <i>Topics in Current Chemistry</i> , Vol. 194, 1998, pp. 118-129.
	AS	Beattie et al., "Advances in Genosensor Research", <i>Clinical Chemistry</i> , Vol. 41, No. 5, 1995, pp. 700-706.
ad	AT	Chee et al., "Accessing Genetic Information with High-Density DNA Arrays", <i>Science</i> , Vol. 274, 25 October 1996, pp. 610-614.

Examiner Aliah H. [Signature]	Date Considered 4/2/04
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ad	AU	Chetverin et al., "Oligonucleotide Arrays: New Concepts and Possibilities", <i>Bio/Technology</i> , Vol. 12, 12 November 1994, pp. 1093-1099.			
	AV	DeRisi et al., "Use of a cDNA Microarray to Analyse Gene Expression Patterns in Human Cancer", <i>Nature Genetics</i> , Vol. 14, December 1996, pp. 457-460.			
	AW	Eggers et al., "A Microchip for Quantitative Detection...", <i>BioTechniques</i> , Vol. 17, No. 3 (1994), pp. 516-524.			
	AX	Eggers et al., "A Review of Microfabricated Devices for Gene-Based Diagnostics", <i>Hematologic Pathology</i> 9(1), 1-15 (1995).			
	AY	Gautheret et al., "Alternate Polyadenylation in Human nRNAs...", <i>Genome Research</i> , 8:524-530 (1998).			
	AZ	Maskos et al., "A Novel Method for the Parallel Analysis of Multiple Mutations in Multiple Samples", <i>Nucleic Acids Research</i> , 1993, Vol. 21, No. 9, pp. 2269-2270.			
	AA1	Hoheisel, "Oligomer-chip Technology", <i>BioTechnology TIBTECH</i> , Nov. 1997, Vol. 15, No. 1 (1997), pp. 465-469.			
	AA2	Lipshutz et al., "Using Oligonucleotide Probe Arrays to Access Genetic Diversity", <i>BioTechniques</i> , Vol. 19, No. 3 (1995), pp. 442-447.			
	AA3	Lockhart et al., "Expression Monitoring by Hybridization to High-Density Oligonucleotide Arrays", <i>Nature Biotechnology</i> , Vol. 14, December 1996, pp. 1675-1680.			
	AA4	Marshall et al., "DNA chips: An array of possibilities", <i>Nature Biotechnology</i> , vol. 16, January 1998, pp. 27-31.			
	AA5	Niemeyer et al., "Oligonucleotide-directed self-assembly of proteins...", <i>Nucleic Acids Research</i> , 1994, Vol. 22, No. 25, pp. 5530-5539.			
	AA6	O'Donnell-Maloney et al., "The Development of Microfabricated Arrays for DNA Sequencing and Analysis", <i>TIBTECH</i> , Vol. 14, Oct. 1996			
	AA7	Sapolsky et al., "Mapping Genomic Library Clones Using Oligonucleotide Arrays", <i>Genomics</i> , 33, 445-456 (1996).			
	AA8	Schullek et al., "A High-Density Screening Format for Encoded Combinatorial Libraries...", <i>Analytical Biochemistry</i> , 246, 20-29 (1997).			
	AA9	Shoemaker et al., "Quantitative Phenotypic Analysis of Yeast Deletion...", <i>Nature Genetics</i> , Vol. 14, December 1996, pp. 450-456.			
	AB1	Shuber et al., "High Throughput Parallel Analysis of Hundreds of Patient Samples...", <i>Human Molecular Genetics</i> , 1997, Vol. 6, No. 3, pp. 337-347.			
	AB2	Southern, "DNA chips: analysing sequence by hybridization...", <i>Trends in GENETICS</i> , Vol. 12, 1996.			
ad	AB3	Southern, "High-density gridding: techniques and applications", <i>Current Opinion in Biotechnology</i> , Vol. 7, No. 1, February 1996, pp. 85-88.			

Examiner <i>Alex H. Sh</i>	Date Considered 4/2/04
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U.S. PATENT DOCUMENTS

BF	5,288,609	2/22/94	Engelhardt et al.	435	6	10/30/92
BG	5,374,524	12/20/94	Miller	435	6	04/27/93
BH	4,563,419	01/07/86	Ranki et al.	435	6	12/29/83
BI	4,228,237	10/14/80	Hevey et al.	435	7	09/21/78
BJ	5,643,730	07/01/97	Banker et al.	435	6	03/14/95
BK	5,744,305	04/28/98	Fodor et al.	435	6	06/06/95
BL	5,556,748	09/17/96	Douglas, Allan S.	435	6	
BM	5,175,270	12/29/92	Nilsen et al.	536	27	
BN	5,241,060	8/31/93	S. Kline et al.			
BO	6,083,763	7/4/00	Balch			
BP	4,716,106	12/29/87	David Chiswell			

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
BN	WO 99/32663	7/1/99	PCT				
BO	WO 9731256	08/28/97	PCT				
BP	0698792	02/28/96	EPC				
BQ	19518217	11/30/95	Germany				
BR	9727317	07/31/97	PCT				
BS	0742286	11/13/96	EPC				
BT	99/28494A	6/10/99	WO				
BU	97/47640	12/18/97	WO				
BV	0846776A	6/10/98	EP				
BW	00/37684A	6/29/00	WO				

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<i>al</i>	BX	Kowalak, J., et al. "Posttranscriptional Modification of the Central Loop of Domain V in <i>Escherichia coli</i> 23 S Ribosomal RNA", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 30, July 28, 1995, pp. 17758-17764.	
<i>al</i>	BY	Gautheret, D., et al. "Alternate Polyadenylation in Human mRNAs: A Large-Scale Analysis by EST Clustering", <i>Genome Research</i> , Vol. 8, 1998, pp. 524-530.	

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<i>al</i>	BZ	4,751,177	6/14/88	Stabinsky	435	6
	CA	4,994,373	2/19/91	Stavrianopoulos et al.	435	6
	CB	5,789,165	8/4/98	Oku et al.	435	6
	CC	4,925,785	5/15/90	Wang et al.	435	6
	CD	4,868,105	9/19/89	Urdea et al.	435	6
<i>al</i>	CE	5,445,943	8/29/95	Fodor et al.		

FOREIGN PATENT DOCUMENTS

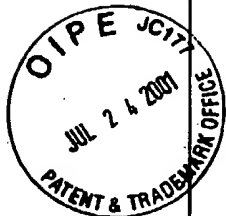
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
<i>al</i>	CF	WO 97/33000	9/12/97	PCT			
	CG	WO 96/29431	9/26/96	PCT			
	CH	EP 0 721 016	7/10/96	EP			
<i>al</i>	CI	WO 91/15600	10/17/91	PCT			

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CL	Sapolsky, R., et al. "Mapping Genomic Library Clones Using Oligonucleotide Arrays", <i>Genomics</i> , Vol. 33, 1996, pp. 445-456.
CM	Kowalak et al., "Posttranscriptional Modification of the Central Loop of Domain V...", <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 30, Issue of July 28, pp. 17758-17765, 1995.
CN	Maier et al. (1997), "Drugs Discovery Today", Vol. 2 (8), pp. 315-324.
CO	D.P. Little et al., <i>Anal. Chem.</i> , Vol. 69, No. 22, pp. 4540-4546 (1997): "MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of..."
CP	D. Sarracino et al., <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 6, No. 21, pp. 2543-2548 (1996): "Quantitative Maldi-tof MS of Oligonucleotides and a Nuclease Assay"
CQ	K. Tang et al., <i>Rapid Comm. in Mass Spectrometry</i> , Vol. 8, pp. 183-186 (1994): "Matrix-assisted laser desorption/ionization of restriction enzyme-digested DNA"
CR	A.C. Pease et al., <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, pp. 5022-5026 (1994): "Light-generated oligonucleotide arrays for rapid DNA sequence analysis"
CS	International Search Report for PCT/US99/30515
CT	International Search Report for PCT/US98/27191

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